

WHAT IS CLAIMED IS:

1. An encapsulated object-oriented polyphase language for specifying computing tasks in multiple phases of generating and executing preboot execution specification, comprising:

- 5 a computing-task specification generator; and
 a computing task interpreter,

 wherein generated computing task specifications are encapsulations, encapsulating execution environment dependent parameters, and wherein the generated computing task specifications are polymorphic with respect to the
10 encapsulated parameters, as well as to the multiple phases of generating and executing preboot execution specification.

2. The language of claim 1, wherein the multiple phases of generating and executing preboot execution specification comprise:

- 15 a definition phase, wherein computing tasks are defined;
 a generating phase, wherein specifications for the computing tasks are generated; and
 an execution phase, wherein the specifications for the computing tasks are executed.

20

3. The language of claim 1, wherein the behavior of the language itself is polymorphic with respect to the multiple phases of generating and executing preboot execution specification.

- 25 4. The language of claim 1, wherein the computing tasks accomplish image installation.

5. The language of claim 1, wherein the computing tasks accomplish platform imaging.

6. The language of claim 1, wherein the computing tasks accomplish
5 remote imaging.

7. The language of claim 1, wherein the computing tasks accomplish remote booting.